

# Tyler Lian

Instructional Student Assistant

## Education

09.2018 - 12.2021	<b>California Polytechnic State University San Luis Obispo, Computer Science, Bachelors of Science</b> Relevant Course Work: Introduction to Cybersecurity – Data Structures – Object-Oriented Programming and Design – Introduction to Computer Organization – Introduction to Operating Systems – Systems Programming – Discrete Structures – Theory of Computation – Introduction to Software Engineering Grade Point Average: 3.2
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## Experience

09.2019 - present	<b>Computer Science Professor Aid</b> <i>Data Structures and Fundamentals Instructional Student Assistant</i> <ul style="list-style-type: none"><li>Create thorough grading scripts in order to test all the functionalities of students' code according to a rubric provided by the professor</li><li>Guide students through project-based assignments to understand complex data structures and recursive algorithms</li><li>Make learning more interesting with real-life examples to keep students engaged</li><li>Focus on mostly stacks, heaps, binary search trees, linked-lists, queues, Huffman trees, hashes, depth-first search, breadth-first search, and graphs</li></ul>
06.2018 - 08.2018	<b>AI &amp; Digital Experiences Intern</b> <i>Accenture Tech Labs: Digital Experiences</i> <ul style="list-style-type: none"><li>Worked on an AI based project known as 'Repair Assistant'</li><li>Utilized Python and TensorFlow to set up an application to automatically segment images</li><li>Employed critical thinking and problem-solving abilities to continually learn and complete assignments in a previously unfamiliar field</li></ul>

## Projects

10.2020	<b>Quarantine Resume</b> <ul style="list-style-type: none"><li>Produced a website to easily share resumes online because of COVID-19</li><li>Created with React using the React Router Application Programming Interface</li><li>Hosted on GitHub Pages: <a href="https://tylerlian.github.io/react-resume-website/">tylerlian.github.io/react-resume-website/</a></li></ul>
04.2020	<b>Canvas Auto-Grader</b> <ul style="list-style-type: none"><li>Constructed to simplify grading and critiquing hundreds of student projects</li><li>Established with the use of Python scripting and Tkinter's graphical user interface</li></ul>
10.2019	<b>Unrailed</b> <ul style="list-style-type: none"><li>Created a user interactive game in Java</li><li>Utilized object oriented principles such as inheritance and polymorphism</li></ul>
08.2018	<b>Repair Assistant</b> <ul style="list-style-type: none"><li>Produced an AI-based application that utilizes Python and TensorFlow to automatically segment photos</li><li>Trained the model based on a photo database of over thousands of photos to accurately distinguish objects</li></ul>

## Personal Info

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<b>LinkedIn</b>	<a href="https://linkedin.com/in/tyler-lian">linkedin.com/in/tyler-lian</a>

## Skills

Python	
Java	
C	
Linux	
React	
Git	

Strong Work Ethic

Fast Learner

Inquisitive

## Hobbies

Baking
Knitting
Male Hairdressing
Bowling
Ultimate Frisbee